

AMENDED

ASSIGNED 35792

APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office. AUG 21 1978

Returned to applicant for correction. OCT 5 1978

Corrected application filed. OCT 16 1978

Map filed. AUG 21 1978

The applicant. Southland Royalty Company. (817) 390-9200

1000 Fort Worth Club Tower, of Fort Worth, Texas 76102

Street and No. or P.O. Box No.

City or Town

State and Zip Code No.

hereby makes application for permission to appropriate the public waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) Incorporated in Delaware 11/26/24

1. The source of the proposed appropriation is (deep geothermal reservoir - 7000' - 8500' estimated depth) Underground

Name of stream, lake or other source.

2. The amount of water applied for is 5 second-feet

One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet acre-feet

3. The water to be used for (testing the geothermal reservoir and geothermal power generation) Geothermal testing and power generation

Irrigation, power, mining, manufacturing, domestic, or other use.

4. If use is for:

(a) Irrigation (state number of acres to be irrigated)

(b) Stockwater (state number and kinds of animals to be watered)

(c) Other use (describe fully under "No. 12. Remarks")

(d) Power:

(1) Horsepower developed

(2) Point of return of water to stream

5. The water is to be diverted from its source at the following point: NE 1/4 of SW 1/4, Section 14, T23N

R35E MDBM--3920 feet South 38° East from the NW corner of Section 14- Describe as being within a 40-acre subdivision of public survey, and by course and distance to a section corner. If on unsurveyed land,

Also described as South 22° 01' West 14,630.37 feet from GLD pipe cap, South 1/4 Cor. Sec. 36 T24N R35E MDBM it should be stated.

6. Place of use NE 1/4 SW 1/4 Section 14, T. 23N., R. 35E., M.D.B. & M. Describe by legal subdivision, if on unsurveyed land it should be so stated.

7. Use will begin about January 1 and end about December 31 of each year.

Day and Month

Day and Month

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) The proposed works are a geothermal well. The diversion will be via casing cemented into the hole drilled. State manner in which water is to be diverted, whether by dam or other works, whether through pipes, ditches, flumes, or other conduits.

9. Estimated cost of works One Million One Hundred Thousand Dollars (\$1,100,000.00)
10. Estimated time required to construct works Sixty to Seventy-Five days after commencement
11. Estimated time required to complete the application to beneficial use 3 months
12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

The water will be used to flow test the geothermal reservoir. The hole will be cased and cemented to within 500' of the bottom which is expected to be 8500'. See drilling plan and diagram attached. If the geothermal resource is hot enough, the well will be used for commercial production of geothermal power as soon as a plant can be constructed.

Applicant s/ Jere Denton

By Jere Denton
1000 Fort Worth Club Tower
Fort Worth, Texas 76102

Compared jm/bl jm/bl

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of water herein granted is only a temporary allowance and that the final water right obtained under this permit will be dependent upon the amount of water actually placed to beneficial use. It is also understood that this right must allow for a reasonable lowering of the static water level. If the well is flowing, a valve must be installed and maintained to prevent waste. Accurate measurements must be kept of water placed to beneficial use. This source is located within an area designated by the State Engineer, pursuant to NRS 534.030. The State retains the right to regulate the use of the water herein granted at any and all times.

There are to be no perforations in the well for at least the first 7,000 feet. The well is to be cemented from the 2,000 foot level to the surface to protect fresh water zones.

This permit is further issued subject to the condition that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 5.0 cubic feet per second, but not to exceed 3,620.0 acre-feet annually.

Actual construction work shall begin on or before August 16, 1979

Proof of commencement of work shall be filed before September 16, 1979

Work must be prosecuted with reasonable diligence and be completed on or before August 16, 1980

Proof of completion of work shall be filed before September 16, 1980

Application of water to beneficial use shall be made on or before August 16, 1983

Proof of the application of water to beneficial use shall be filed on or before September 16, 1983

Map in support of proof of beneficial use shall be filed on or before

Commencement of work filed SEP 4 1979
 Completion of work filed SEP 4 1979
 Proof of beneficial use filed
 Cultural map filed
 Certificate No. Issued
 Recorded Bk Page
 County Recorder

IN TESTIMONY WHEREOF, I WILLIAM J. NEWMAN
 State Engineer of Nevada, have hereunto set my hand and the seal of
 my office, this 16th day of FEBRUARY

A.D. 19 79

William J. Newman
 State Engineer